

Cytonix Corporation

8000 Virginia Manor Road, Beltsville, MD 20705, phone 301-470-6267 or fax 301-470-6269

Coating Products



FluoroPel - hydrophobic and super hydrophobic fluoropolymer coatings, adhesives and molded products.

FluoroTAC - fluoropolymer adhesives and super hydrophobic die-cut tapes and films.

Fluorothane - hydrophobic and super hydrophobic coatings for aircraft, marine and ground-based radomes.

FluorN - fluorosurfactant dispersing, wetting and leveling agents for resins and plastics.

FluoroSyl - fluorosilanes for lubricity, surface protection, hydrophobicity and fluoropolymer adhesion.

OEM Products



MicroTools - resealable closure and diagnostic slide with hydrophobic mask.

MetaCell - resealable chamber and diagnostic slide with hydrophobic mask.

MicroCytometer - disposable, precision capillary hemacytometers.

MicroPlates - super hydrophobic mask on films, cover-slips and large-format plates.

NanoArrays - DNA quantitation and single strand amplification in nanoliter arrays.



022702

L Number	Hits	Search Text	DB	Time stamp
1	15	silicon same oxide same fluorene	USPAT	2002/12/14 09:18
2	10	cytonix	USPAT	2002/12/14 09:18
3	17	cytonix	USPAT; US-PGPUB	2002/12/14 08:40
4	10914	perflurocoat or fluoropel or fluoropolymers or fluorene or pfte	USPAT; US-PGPUB	2002/12/14 09:14
5	470612	oxide	USPAT; US-PGPUB	2002/12/14 08:41
6	1057489	array or chip or silicon or wafter of microarray or microchip or slide	USPAT; US-PGPUB	2002/12/14 09:15
7	85	(perflurocoat or fluoropel or fluoropolymers or fluorene or pfte) same oxide same (array or chip or silicon or wafter of microarray or microchip or slide)	USPAT; US-PGPUB	2002/12/14 09:00
8	20	((perflurocoat or fluoropel or fluoropolymers or fluorene or pfte) same oxide same (array or chip or silicon or wafter of microarray or microchip or slide)) and (dna or nucleic or oligo\$8 or genomic)	USPAT; US-PGPUB	2002/12/14 09:01
9	596	teflon same oxide same (array or chip or silicon or wafter of microarray or microchip or slide)	USPAT; US-PGPUB	2002/12/14 09:00
10	10	(teflon same oxide same (array or chip or silicon or wafter of microarray or microchip or slide)) same (dna or nucleic or oligo\$8 or genomic)	USPAT; US-PGPUB	2002/12/14 09:01
11	76305	perflurocoat or fluoropel or fluoropolymers or fluorene or pfte or teflon	USPAT; US-PGPUB	2002/12/14 09:20
12	6109	(perflurocoat or fluoropel or fluoropolymers or fluorene or pfte or teflon) same (array or chip or silicon or wafter of microarray or microchip or slide)	USPAT; US-PGPUB	2002/12/14 09:14
13	674	((perflurocoat or fluoropel or fluoropolymers or fluorene or pfte or teflon) same (array or chip or silicon or wafter of microarray or microchip or slide)) same oxide	USPAT; US-PGPUB	2002/12/14 09:14
14	1	cytonix near3 oxidiz\$3 near3 wafer	USPAT; US-PGPUB	2002/12/14 09:16
15	0	cytonix near3 oxidiz\$3 near3 (array or chip or silicon or wafter of microarray or microchip or slide)	USPAT; US-PGPUB	2002/12/14 09:15
16	1076270	array or chip or silicon or wafer of microarray or microchip or slide	USPAT; US-PGPUB	2002/12/14 09:16
17	1	cytonix near3 oxidiz\$3 near3 (array or chip or silicon or wafer of microarray or microchip or slide)	USPAT; US-PGPUB	2002/12/14 09:16
18	1	(perflurocoat or fluoropel or fluoropolymers or fluorene or pfte or teflon) near3 oxidiz\$3 near3 (array or chip or silicon or wafer of microarray or microchip or slide)	USPAT; US-PGPUB	2002/12/14 09:20
19	5	(perflurocoat or fluoropel or fluoropolymers or fluorene or pfte or teflon) near8 oxidiz\$3 near8 (array or chip or silicon or wafer of microarray or microchip or slide)	USPAT; US-PGPUB	2002/12/14 09:18
20	0	silicon same oxide same fluorene	EPO	2002/12/14 09:18
21	0	silicon same oxide same fluorene	DERWENT	2002/12/14 09:18
22	8	cytonix	EPO; DERWENT	2002/12/14 09:19
23	0	(perflurocoat or fluoropel or fluoropolymers or fluorene or pfte or teflon) near3 oxidiz\$3 near3 (array or chip or silicon or wafer of microarray or microchip or slide)	EPO; DERWENT	2002/12/14 09:20

L Number	Hits	Search Text	DB	Time stamp
1	436357	oxide	USPAT	2003/03/20 09:31
2	28804	fluoropolymer\$ or fluorene near3 polymer\$ or (ptfe or fep or tefzel or fvdf or perfluoroalkoxy) or perflurocoat or fluoropel	USPAT	2003/03/20 09:33
3	212887	etch\$ or scratch\$	USPAT	2003/03/20 09:33
4	6240	positive near3 photoresist\$	USPAT	2003/03/20 09:34
5	213791	(etch\$ or scratch\$) or (positive near3 photoresist\$)	USPAT	2003/03/20 09:34
6	2530	oxide and (fluoropolymer\$ or fluorene near3 polymer\$ or (ptfe or fep or tefzel or fvdf or perfluoroalkoxy) or perflurocoat or fluoropel) and ((etch\$ or scratch\$) or (positive near3 photoresist\$))	USPAT	2003/03/20 09:35
7	92	(oxide and (fluoropolymer\$ or fluorene near3 polymer\$ or (ptfe or fep or tefzel or fvdf or perfluoroalkoxy) or perflurocoat or fluoropel) and ((etch\$ or scratch\$) or (positive near3 photoresist\$))) and (DNA or rna or nucleic or oligonucleoti\$5)	USPAT	2003/03/20 09:36
8	119	oxide same (fluoropolymer\$ or fluorene near3 polymer\$ or (ptfe or fep or tefzel or fvdf or perfluoroalkoxy) or perflurocoat or fluoropel) same ((etch\$ or scratch\$) or (positive near3 photoresist\$))	USPAT	2003/03/20 09:35
9	0	(oxide same (fluoropolymer\$ or fluorene near3 polymer\$ or (ptfe or fep or tefzel or fvdf or perfluoroalkoxy) or perflurocoat or fluoropel) same ((etch\$ or scratch\$) or (positive near3 photoresist\$))) same (DNA or rna or nucleic or oligonucleoti\$5)	USPAT	2003/03/20 09:36
10	1	(oxide same (fluoropolymer\$ or fluorene near3 polymer\$ or (ptfe or fep or tefzel or fvdf or perfluoroalkoxy) or perflurocoat or fluoropel) same ((etch\$ or scratch\$) or (positive near3 photoresist\$))) and (DNA or rna or nucleic or oligonucleoti\$5)	USPAT	2003/03/20 09:38
11	2074	oxide same (fluoropolymer\$ or fluorene near3 polymer\$ or (ptfe or fep or tefzel or fvdf or perfluoroalkoxy) or perflurocoat or fluoropel)	USPAT	2003/03/20 09:39
12	402724	silicon\$	USPAT	2003/03/20 09:38
13	509	(oxide same (fluoropolymer\$ or fluorene near3 polymer\$ or (ptfe or fep or tefzel or fvdf or perfluoroalkoxy) or perflurocoat or fluoropel)) same silicon\$	USPAT	2003/03/20 09:38
14	50215	oxide same (etch\$ or scratch\$)	USPAT	2003/03/20 09:39
15	31943	(oxide same (etch\$ or scratch\$)) same silicon\$	USPAT	2003/03/20 09:39
16	113154	DNA or RNA or nucleic or oligo\$9	USPAT	2003/03/20 09:39
17	16	((oxide same (etch\$ or scratch\$)) same silicon\$) same (DNA or RNA or nucleic or oligo\$9)	USPAT	2003/03/20 09:46
18	551988	oxide or "silicon dioxide" or silica or germania or "germanium dioxide"	USPAT	2003/03/20 09:46
19	2074	oxide same (fluoropolymer\$ or fluorene near3 polymer\$ or (ptfe or fep or tefzel or fvdf or perfluoroalkoxy) or perflurocoat or fluoropel)	USPAT	2003/03/20 09:46
20	119	(oxide same (fluoropolymer\$ or fluorene near3 polymer\$ or (ptfe or fep or tefzel or fvdf or perfluoroalkoxy) or perflurocoat or fluoropel)) same ((etch\$ or scratch\$) or (positive near3 photoresist\$))	USPAT	2003/03/20 09:48
21	50	((oxide same (fluoropolymer\$ or fluorene near3 polymer\$ or (ptfe or fep or tefzel or fvdf or perfluoroalkoxy) or perflurocoat or fluoropel)) same ((etch\$ or scratch\$) or (positive near3 photoresist\$))) and (array or biochip or microarray)	USPAT	2003/03/20 09:48

L Number	Hits	Search Text	DB	Time stamp
1	436357	oxide	USPAT	2003/03/20 09:31
2	28804	fluoropolymer\$ or fluorene near3 polymer\$ or (ptfe or fep or tefzel or fvdv or perfluoroalkoxy) or perflurocoat or fluoropel	USPAT	2003/03/20 09:33
3	212887	etch\$ or scratch\$	USPAT	2003/03/20 09:33
4	6240	positive near3 photoresist\$	USPAT	2003/03/20 09:34
5	213791	(etch\$ or scratch\$) or (positive near3 photoresist\$)	USPAT	2003/03/20 09:34
6	2530	oxide and (fluoropolymer\$ or fluorene near3 polymer\$ or (ptfe or fep or tefzel or fvdv or perfluoroalkoxy) or perflurocoat or fluoropel) and ((etch\$ or scratch\$) or (positive near3 photoresist\$))	USPAT	2003/03/20 09:35
7	92	(oxide and (fluoropolymer\$ or fluorene near3 polymer\$ or (ptfe or fep or tefzel or fvdv or perfluoroalkoxy) or perflurocoat or fluoropel) and ((etch\$ or scratch\$) or (positive near3 photoresist\$))) and (DNA or rna or nucleic or oligonucleoti\$5)	USPAT	2003/03/20 09:36
8	119	oxide same (fluoropolymer\$ or fluorene near3 polymer\$ or (ptfe or fep or tefzel or fvdv or perfluoroalkoxy) or perflurocoat or fluoropel) same ((etch\$ or scratch\$) or (positive near3 photoresist\$))	USPAT	2003/03/20 09:35
9	0	(oxide same (fluoropolymer\$ or fluorene near3 polymer\$ or (ptfe or fep or tefzel or fvdv or perfluoroalkoxy) or perflurocoat or fluoropel) same ((etch\$ or scratch\$) or (positive near3 photoresist\$))) same (DNA or rna or nucleic or oligonucleoti\$5)	USPAT	2003/03/20 09:36
10	1	(oxide same (fluoropolymer\$ or fluorene near3 polymer\$ or (ptfe or fep or tefzel or fvdv or perfluoroalkoxy) or perflurocoat or fluoropel) same ((etch\$ or scratch\$) or (positive near3 photoresist\$))) and (DNA or rna or nucleic or oligonucleoti\$5)	USPAT	2003/03/20 09:38
11	2074	oxide same (fluoropolymer\$ or fluorene near3 polymer\$ or (ptfe or fep or tefzel or fvdv or perfluoroalkoxy) or perflurocoat or fluoropel)	USPAT	2003/03/20 09:39
12	402724	silicon\$	USPAT	2003/03/20 09:38
13	509	(oxide same (fluoropolymer\$ or fluorene near3 polymer\$ or (ptfe or fep or tefzel or fvdv or perfluoroalkoxy) or perflurocoat or fluoropel)) same silicon\$	USPAT	2003/03/20 09:38
14	50215	oxide same (etch\$ or scratch\$)	USPAT	2003/03/20 09:39
15	31943	(oxide same (etch\$ or scratch\$)) same silicon\$	USPAT	2003/03/20 09:39
16	113154	DNA or RNA or nucleic or oligo\$9	USPAT	2003/03/20 09:39
17	16	((oxide same (etch\$ or scratch\$)) same silicon\$) same (DNA or RNA or nucleic or oligo\$9)	USPAT	2003/03/20 09:46
18	551988	oxide or "silicon dioxide" or silica or germania or "germanium dioxide"	USPAT	2003/03/20 09:46
19	2074	oxide same (fluoropolymer\$ or fluorene near3 polymer\$ or (ptfe or fep or tefzel or fvdv or perfluoroalkoxy) or perflurocoat or fluoropel)	USPAT	2003/03/20 09:46
20	119	(oxide same (fluoropolymer\$ or fluorene near3 polymer\$ or (ptfe or fep or tefzel or fvdv or perfluoroalkoxy) or perflurocoat or fluoropel)) same ((etch\$ or scratch\$) or (positive near3 photoresist\$))	USPAT	2003/03/20 09:48
21	50	((oxide same (fluoropolymer\$ or fluorene near3 polymer\$ or (ptfe or fep or tefzel or fvdv or perfluoroalkoxy) or perflurocoat or fluoropel)) same ((etch\$ or scratch\$) or (positive near3 photoresist\$))) and (array or biochip or microarray)	USPAT	2003/03/20 11:01

L Number	Hits	Search Text	DB	Time stamp
1	436	beattie.in.	USPAT; US-PGPUB; DERWENT	2003/03/20 09:58
2	20	beattie.in. and silicon	USPAT; US-PGPUB; DERWENT	2003/03/20 10:01
3	62	5843767.URPN.	USPAT	2003/03/20 10:00
4	38	5843767.URPN. and oxide	USPAT; US-PGPUB; DERWENT	2003/03/20 10:01
5	1	5843767.URPN. and fluoropolymer	USPAT; US-PGPUB; DERWENT	2003/03/20 10:01
6	0	5843767.URPN. and florene	USPAT; US-PGPUB; DERWENT	2003/03/20 10:01
7	0	5843767.URPN. and fluorene	USPAT; US-PGPUB; DERWENT	2003/03/20 10:02
8	35	5843767.URPN. and (polycarbonate or teflon)	USPAT; US-PGPUB; DERWENT	2003/03/20 10:03
9	4	5843767.URPN. and (hydrophobic near5 coat\$3)	USPAT; US-PGPUB; DERWENT	2003/03/20 10:05
10	3	(5843767.URPN. and oxide) and (hydrophobic near5 coat\$3)	USPAT; US-PGPUB; DERWENT	2003/03/20 10:12
11	17	photoresist same fluorene	USPAT; US-PGPUB; DERWENT	2003/03/20 10:30
12	264	oxide and silicon and porous and fluorene	USPAT; US-PGPUB; DERWENT	2003/03/20 10:31
13	141288	oxide near8 silicon	USPAT; US-PGPUB; DERWENT	2003/03/20 10:31
14	3	(oxide and silicon and porous and fluorene) and coat\$3 near8 fluorene	USPAT; US-PGPUB; DERWENT	2003/03/20 10:35
15	91	(oxide and silicon and porous and fluorene) and oxide near8 silicon	USPAT; US-PGPUB; DERWENT	2003/03/20 10:31
16	3	((oxide and silicon and porous and fluorene) and coat\$3 near8 fluorene) and ((oxide and silicon and porous and fluorene) and oxide near8 silicon)	USPAT; US-PGPUB; DERWENT	2003/03/20 10:33
17	5	(oxide and silicon and porous and fluorene) and 435/6.ccls.	USPAT; US-PGPUB; DERWENT	2003/03/20 10:33
18	8	(oxide and silicon and porous and fluorene) and (coat\$3 or layer) near8 fluorene	USPAT; US-PGPUB; DERWENT	2003/03/20 10:38
19	34	(mask\$3 or etch\$3) same fluorene	USPAT; US-PGPUB; DERWENT	2003/03/20 10:40
20	25	((mask\$3 or etch\$3) same fluorene) and oxide	USPAT; US-PGPUB; DERWENT	2003/03/20 10:40

L Number	Hits	Search Text	DB	Time stamp
1	115	hydrophobic near3 mask	USPAT; US-PGPUB; DERWENT	2003/03/20 11:53
2	5	(hydrophobic near3 mask) same (oxide or "silicon dioxide")	USPAT; US-PGPUB; DERWENT	2003/03/20 11:54
3	71	teflon near3 mask	USPAT; US-PGPUB; DERWENT	2003/03/20 11:54
4	4	(teflon near3 mask) same (oxide or "silicon dioxide")	USPAT; US-PGPUB; DERWENT	2003/03/20 11:56
5	11819	fluorothane or fluorourethane or fluoropolymer	USPAT; US-PGPUB; DERWENT	2003/03/20 11:56
6	91	(fluorothane or fluorourethane or fluoropolymer) same mask	USPAT; US-PGPUB; DERWENT	2003/03/20 11:56
7	142	(fluorothane or fluorourethane or fluoropolymer) same (mask or photoresist)	USPAT; US-PGPUB; DERWENT	2003/03/20 11:56
8	22	((fluorothane or fluorourethane or fluoropolymer) same (mask or photoresist)) same (oxide or "silicon dioxide")	USPAT; US-PGPUB; DERWENT	2003/03/20 12:00
9	1	((((fluorothane or fluorourethane or fluoropolymer) same (mask or photoresist)) same (oxide or "silicon dioxide"))) and 435/6	USPAT; US-PGPUB; DERWENT	2003/03/20 12:00

Search Notes

Application No.

10/008,185

Applicant(s)

MULLEN ET AL.

Examiner

Jeanine A Goldberg

Art Unit

1634

SEARCHED

Class	Subclass	Date	Examiner
435	6		
	287.2		
	283.1		
	287.9		

INTERFERENCE SEARCHED

Class	Subclass	Date	Examiner

**SEARCH NOTES
(INCLUDING SEARCH STRATEGY)**

	DATE	EXMR
Palm Author search; Keyword Search see attached.		